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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/554,265	10/25/2005	Hiroki Ose	72035	2720		
23872	7590	03/13/2009	EXAMINER			
MCGLEW & TUTTLE, PC P.O. BOX 9227 SCARBOROUGH STATION SCARBOROUGH, NY 10510-9227				CHAUDHRY, SAEED T		
ART UNIT		PAPER NUMBER				
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Attachment to Advisory Action:

The applicant argued that Campo et al. fail to provide any teaching or suggestion for combination of an air curtain located at one end of a housing and first water curtain that define a pre-cleaning section of a housing.

This argument is unpersuasive because for a finding of obviousness within the meaning of 103, the references themselves need not explicitly suggest the combination of their features where all the references pertain to the same field of endeavor. The test is what the combined teachings of the references, taken collectively would have suggested to one of ordinary skill in the art (see Cable elec. Prods., Inc. V. Genmark, Inc., 770 F.2d 1015, 1025, 226 USPQ 881, 886-87 (Fed. Cir. 1985 and In re Keller, 642 F.2d 413, 425, 208 USPQ 871, 881 (CCPA 1981)).

Therefore, one of ordinary skill in the art would have combine the teaching of Payzant in the apparatus of Campo et al. to include a water curtain for separating different section from each other and reduce the mixing of the different liquids with each other. Water curtain and air curtain are known for separating two different chambers from each other in the art as disclosed by Campo et al. and Payzant. Therefore, separating different chambers either with water curtain, air curtain or combination of air and water curtains would have been obvious choices and can find the effectiveness of air curtain or water curtain by routine experiments.

The applicant argued that JP '459 does not provide or suggestion for a pressure of a jetted cleaning liquid that is in the range from 0.2 to 0.4 Mpa.

This argument is not persuasive because all the references are using pump for jetting liquid. Therefore, pumps are capable of jetting the liquid in the claimed pressure range. Further,

is well known in the semiconductor art to use jetted liquid in this range for cleaning semiconductor.

Applicant's arguments filed February 24, 2009 have been fully considered but they are not persuasive.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saeed T. Chaudhry whose telephone number is (571) 272-1298. The examiner can normally be reached on Monday-Friday from 9:30 A.M. to 4:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Michael Barr, can be reached on (571)-272-1414. The fax phone number for non-final is (703)-872-9306.

When filing a FAX in Gp 1700, please indicate in the Header (upper right) "Official" for papers that are to be entered into the file, and "Unofficial" for draft documents and other communication with the PTO that are for entry into the file of the application. This will expedite processing of your papers.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-1700.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Saeed T. Chaudhry

Patent Examiner